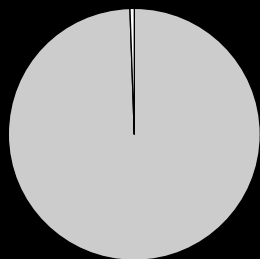
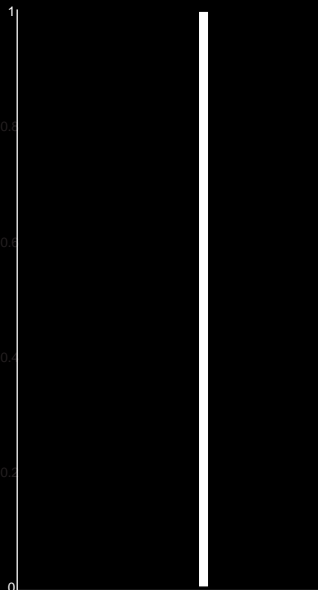


Hopi Tribe



Production tonnage 1978-1997

- U.S. Total
- Hopi Reservation Coal Production



Number of new permits 1978-1997

- Interim Program
- Permanent Program

100 percent of Abandoned Mine Land problems reclaimed

Bituminous coal is found in varying quantities throughout the Hopi Reservation. Coal in this area was utilized by Native Americans as early as 900 A.D. Small amounts of coal were produced during the periods of European settlement and World War II for local use. Until the early 1970's, coal continued to be produced for local use. The early mines were shallow underground and small shallow surface mines. Large-scale mining began in the 1970's.

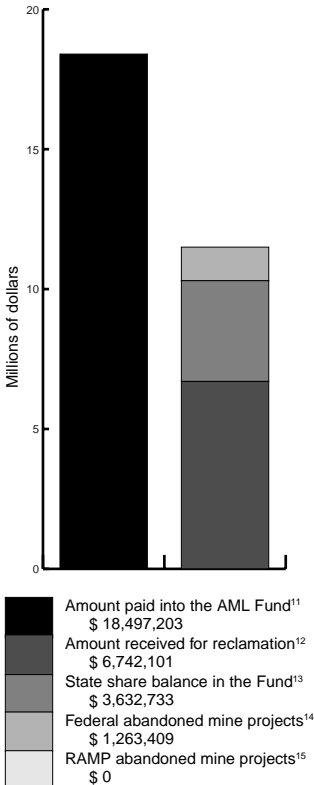
The Office of Surface Mining's Western Regional Coordinating Center is responsible for regulating coal mining and reclamation on the Hopi Reservation. The Hopi Abandoned Mine Land Program was approved June 28, 1988.

Between 1977 and 1988, the Office of Surface Mining spent approximately \$864,000 to reclaim high-priority problems and \$400,000 to reclaim environmental coal-related abandoned mine hazards. Since 1988, when the Tribal Reclamation Plan was approved, the Tribe has spent about \$359,000 on high-priority projects (primarily, highwall backfilling, hazardous equipment removal, and portal/shaft closures). An additional \$145,000 has been spent on environmental reclamation projects including reclamation of gob areas, haul roads, highwalls, and spoil areas.

On June 9, 1994, the Secretary of the Interior concurred with the Hopi Tribal Chairman's certification that all known abandoned coal mine hazards had been eliminated. An approved amendment has since given authority to undertake lower priority projects. The Tribe has now established a non-coal reclamation program and has commenced both community impact and public facilities projects for the villages and tribal government.

coal production¹⁰

	1978		1997		1978-1997
	Amount	Percent U.S. Total	Amount	Percent U.S. Total	Rank
Tons Produced					
Surface	818,102	0.3%	3,469,812	0.5%	18
Underground	0	0%	0	0%	0
Lignite	0	0%	0	0%	0
Total	818,102	0.1%	3,469,812	0.3%	23
Number of Producing Mines					
Surface (bituminous coal)	2	0.06%	1	0.04%	23
Underground	0	0%	0	0%	0
Lignite (surface)	0	0%	0	0%	0
Total	2	0.03%	1	0.02%	25
Mine Production					
Average	409,051	575.6%	3,469,812	1,469.2%	
>1,000,000 tons	0	0%	1	0.4%	
300,000-1,000,000 tons	1	0.4%	0	0%	
<300,000 tons	1	0.01%	0	0%	



Active mining and reclamation¹⁶

	1978	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	Total
Number of New Permits																					
Surface Mining	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
Underground Mining	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Acreage Permitted																					
Surface Mining	0	0	0	0	0	0	0	0	0	0	0	0	6,152	0	0	0	0	0	0	0	6,152
Underground Mining	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Acreage of Bond Release																					
Interim Prog. (final)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Phase 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Phase 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Phase 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Inspections																					
Complete	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA ⁴
Partial	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA ⁴
Oversight	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Citations Issued																					
NOV's	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA ⁴
CO's	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA ⁴

Abandoned coal mine reclamation 1977-1997¹⁷

	Reclaimed Problems			Remaining Problems	
	OSM Emergency	State Emergency	Non-Emergency	Number	Estimated Cost
Priority 1 & 2 (Protection of Public Health, Safety, and General Welfare) and Emergency Projects					
Clogged Streams (miles)	0	0	0	0	\$ 0
Clogged Stream Lands (acres)	0	0	0	0	0
Highwalls (feet)	0	0	14,302.0	0	0
Impoundments (count)	0	0	0	0	0
Piles & Embankments (acres)	0	0	0	0	0
Slides (acres)	0	0	0	0	0
Gases (count)	0	0	0	0	0
Equipment & Facilities (count)	0	0	8.0	0	0
Water Bodies (count)	0	0	0	0	0
Industrial Waste (acres)	0	0	0	0	0
Portals (count)	0	0	9.0	0	0
Polluted Water: Agriculture & Industrial (count)	0	0	0	0	0
Polluted Water: Human Consumption (count)	0	0	0	0	0
Subsidence (acres)	0	0	0	0	0
Surface Burning (acres)	0	0	0	0	0
Underground Mine Fires (acres)	0	0	1.7	0	0
Vertical Openings (count)	0	0	2.0	0	0
Total					\$ 0
Priority 3 (Environmental Restoration)					
Bench (acres)	0	0	0	0	\$ 0
Industrial Waste (acres)	0	0	0	0	0
Equipment & Facilities (count)	0	0	0	0	0
Gob (acres)	0	0	24.9	0	0
Highwall (feet)	0	0	551.0	0	0
Haul Road (acres)	0	0	14.7	0	0
Mine Opening (count)	0	0	0	0	0
Pit (acres)	0	0	9.7	0	0
Spoil Area (acres)	0	0	10.1	0	0
Slurry (acres)	0	0	0	0	0
Slump (acres)	0	0	0	0	0
Water (gallons/minute)	0	0	0	0	0
Total					\$ 0